

James M. Ntambi, PhD is a Professor of Biochemistry and Steenbock Professor of Nutritional Sciences at the University of Wisconsin-Madison, USA. Ntambi received his BSc and MSc degrees in Biochemistry and Chemistry from Makerere University and his PhD in Biochemistry and Molecular Biology from the Johns Hopkins University School of Medicine, USA. Ntambi has made distinguished contributions to the field of nutritional biochemistry with his pioneering work on the genetic regulation of stearoyl-CoA desaturase which has led to many new insights into metabolism and to disease states such as obesity, diabetes, atherosclerosis, inflammation and cancer. His pioneering work will help explain the complex aspects of the “metabolic syndrome” will advance our understanding of nutrient gene interactions. Ntambi has published more than 190 peer-reviewed scientific papers. Ntambi is also involved in international research and student and faculty exchange programs between Makerere University Uganda and the University of Wisconsin-Madison. He has received numerous awards including the Osborne and Mendel Award, Steenbock Career Development Award, the Arthur J. Maurer Extra Mile Award, Excellence in International Activities Award, the Distinguished Chancellor’s Teaching Award and the American Society for Biochemistry and Molecular Biology (ASBMB) Exemplary Contribution to Education Award. Ntambi serves on National Institutes of Health (NIH) study sections and is a member of the Institute of Medicine (IOM) Food Nutrition Board. He also serves on the National Institutes of Alcoholism and alcohol abuse (NIAAA) Board of Scientific Counselors. He has been invited to present seminars on obesity and diabetes research conferences in the USA and other countries and serves on numerous scientific committees and advisory to government agencies. Ntambi is a Fellow of the Uganda National Academy of Sciences.

The general theme of his research is to understand the genetic regulation of metabolism, adipocyte biology and differentiation. He is specifically interested in the genetic basis of obesity, cardiovascular disease, insulin resistance and diabetes and how dietary factors, hormones and environmental factors influence these disease states. He is studying the regulation of mammalian stearoyl-CoA desaturase (SCD) genes as a model to understand nutrient-gene interactions. His team recently genetically engineered mice that are born without the stearoyl-CoA desaturase gene-1 and found that these mice resist obesity, diabetes, fatty liver disease, and other aspects of the metabolic syndrome. He is also interested in conducting research on obesity and diabetes and other non-communicable metabolic diseases in developing countries.

Inquiries about the presentation should be addressed to:

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DEPARTMENT OF BIOCHEMISTRY AND SPORTS SCIENCE

SEMINAR PRESENTATION

**HEPATIC LIPOGENESIS AND
METABOLIC SIGNALING IN
OBESITY AND DIABETES**

By

**Professor James M. Ntambi
University of Wisconsin-Madison, USA**



Friday 6th April 2018

12.00 – 1.00 pm

Room S101/S102

Department of Biochemistry and Sports Science

